This listing of claims will replace all prior versions and listings of claims in the application:

Claim 1 (canceled).

- 1 Claim 2 (previously presented): The method of claim 4
- 2 wherein the selected set of configuration information for a
- 3 data forwarding device is a most recently committed set of
- 4 configuration information for the data forwarding device.
- 1 Claim 3 (previously presented): The method of claim 4
- 2 wherein the selected set of configuration information for a
- 3 data forwarding device is selected by a user.
- 1 Claim 4 (previously presented): A method comprising:
- a) accepting at least a part of a selected set of
- 3 configuration information for a data forwarding
- 4 device;
- 5 b) accepting at least a part of a set of candidate
- 6 configuration information for the data forwarding
- 7 device; and
- 8 c) determining differences, if any, between
- 9 the at least a part of the set of candidate
- 10 configuration information for the data forwarding
- 11 device, and
- 12 the at least a part of the selected set of
- 13 configuration information for the data forwarding
- 14 device.
- 15 wherein the set of candidate configuration
- 16 information for the data forwarding device includes a
- 17 plurality of statements,

- wherein a first statement of the plurality of
- 19 statements of the set of candidate configuration
- 20 information for the data forwarding device contains a
- 21 second statement of the plurality of statements to define
- 22 at least a part of a hierarchical configuration,
- wherein the selected set of configuration
- 24 information for the data forwarding device includes a
- 25 plurality of statements, and
- 26 wherein a first statement of the plurality of
- 27 statements of the selected set of configuration information
- 28 for the data forwarding device contains a second statement
- 29 of the plurality of statements to define at least a part of
- 30 a hierarchical configuration.
  - 1 Claim 5 (previously presented): The method of claim 4
  - 2 wherein the at least the part of the set of candidate
  - 3 configuration information only includes a defined first
  - 4 statement and any of the plurality of statements that are
  - 5 descendants of the defined first statement in the
  - 6 hierarchical configuration, and
  - 7 wherein the at least the part of the selected set
  - 8 of configuration information includes a corresponding first
  - 9 statement and any of the plurality of statements that are
- 10 descendants of the defined first statement in the
- 11 hierarchical configuration.
  - 1 Claim 6 (original): The method of claim 5 wherein the
  - 2 defined first statement is defined based on a statement of
  - 3 the hierarchical candidate configuration information on
  - 4 which a user is presently working.

- 1 Claim 7 (original): The method of claim 5 wherein the
- 2 defined first statement is defined by a user input.
- 1 Claim 8 (original): The method of claim 4 wherein the
- 2 hierarchical configuration information includes at least
- 3 two categories at a first hierarchical level, and
- 4 wherein the at least two categories are selected
- 5 from a group of data forwarding device configuration
- 6 categories consisting of:
- 7 A) chassis configuration information;
- 8 B) class-of-service configuration information;
- 9 C) firewall configuration information;
- 10 D) forwarding-options configuration information;
- 11 E) groups configuration information;
- 12 F) interfaces configuration information;
- G) policy-options configuration information;
- 14 H) protocols configuration information;
- 15 I) routing-instances configuration information;
- 16 J) routing-options configuration information;
- 17 K) network management protocol configuration
- 18 information; and
- 19 L) system configuration information.
  - 1 Claim 9 (original): The method of claim 4 wherein the
  - 2 hierarchical configuration information includes at least
  - 3 two categories at a given hierarchical level, the method
  - 4 further comprising:
  - 5 d) associating a predetermined permission value with
  - 6 a user that is logged in; and
  - 7 e) determining whether the logged in user is
  - 8 permitted to access one of the at least two categories

- 9 of configuration information based on the 10 predetermined permission.
- 1 Claim 10 (previously presented): A method comprising:
- a) accepting at least a part of a selected set of
- 3 configuration information for a data forwarding
- 4 device;
- 5 b) accepting at least a part of a set of candidate
- 6 configuration information for the data forwarding
- 7 device; and
- 8 c) determining differences, if any, between
- 9 the at least a part of the set of candidate
- 10 configuration information for the data forwarding
- 11 device, and
- the at least a part of the selected set of
- configuration information for the data forwarding
- 14 device,
- 15 wherein the act of accepting at least a part of a
- 16 selected set of configuration information for a data
- 17 forwarding device is performed by accessing a storage
- 18 device of the data forwarding device,
- 19 wherein the act of accepting at least a part of a
- 20 set of candidate configuration information for the data
- 21 forwarding device is performed by accessing a storage
- 22 device of the data forwarding device; and
- wherein the act of determining differences, if
- 24 any, between
- 25 the at least the part of the set of candidate
- 26 configuration information for the data forwarding
- device, and

28	<ul> <li>the at least the part of the selected set of</li> </ul>
29	configuration information for the data forwarding
30	device,
31	is performed by a component of the data forwarding device.
1	Claim 11 (previously presented): A method comprising:
2	a) accepting at least a part of a selected set of
3	configuration information for a data forwarding
4	device;
5	b) accepting at least a part of a set of candidate
6	configuration information for the data forwarding
7	device; and
8	c) determining differences, if any, between
9	<ul> <li>the at least a part of the set of candidate</li> </ul>
10	configuration information for the data forwarding
11	device, and
12	- the at least a part of the selected set of
13	configuration information for the data forwarding
14	device,
15	wherein the set of candidate configuration
16	information for the data forwarding device includes a
17	plurality of statements,
18	wherein the selected set of configuration
19	information for the data forwarding device includes a
20	plurality of statements, and
21	wherein the act of determining differences, if
22	any, between
23	- the at least a part of the set of
24	candidate configuration information for the
25	data forwarding device, and

26	<ul> <li>the at least a part of the selected set</li> </ul>
27	of configuration information for the data
28	forwarding device,
29	considers changes to statements without regard to parameter
30	values.
	Claim 12 (canceled)
1	Claim 13 (original): In a data forwarding device, a
2	facility for checking at least a part of a set of candidate
3	configuration information, the facility comprising:
4	a) a storage device for storing at least one set of
5	configuration information for the data forwarding
6	device;
7	b) an input facility for
8	i) accepting at least a part of a selected one
9	of the at least one set of configuration
10	information for a data forwarding device, and
11	ii) accepting at least a part of a set of
12	candidate configuration information for the data
13	forwarding device; and
14	c) a configuration comparison facility for
15	determining differences, if any, between
16	- the at least a <del>the</del> part of the set of
17	candidate configuration information for the data
18	forwarding device, and
19	- the at least a <del>the</del> part of the selected one of
20	the at least one set of configuration information

for the data forwarding device.

- 1 Claim 14 (previously presented): A method for determining
- 2 differences in at least a part of sets of configuration
- 3 information, comprising:
- 4 a) accepting at least a part of a first set of
- 5 configuration information for a data forwarding
- 6 device, wherein the first set of configuration
- 7 information has not been saved on the data forwarding
- 9 b) accepting at least a part of a second set of
- 10 configuration information for the data forwarding
- 11 device, wherein the second set of configuration
- information has been saved on the data forwarding
- 13 device; and
- 14 c) determining differences, if any, between
- 15 the first set of configuration information for
- 16 a data forwarding device, and
- the second set of configuration information
- 18 for a data forwarding device.
- 1 Claim 15 (previously presented): The method of claim 14
- 2 wherein the first set of configuration information for a
- 3 data forwarding device includes a plurality of statements,
- 4 wherein a first statement of the plurality of
- 5 statements of the first set of configuration information
- 6 for a data forwarding device contains a second statement of
- 7 the plurality of statements to define at least a part of a
- 8 hierarchical configuration,
- 9 wherein the second set of configuration
- 10 information for a data forwarding device includes a
- 11 plurality of statements, and
- 12 wherein a first statement of the plurality of
- 13 statements of the second set of configuration information

- 14 for a data forwarding device contains a second statement of
- 15 the plurality of statements to define at least a part of a
- 16 hierarchical configuration.
  - 1 Claim 16 (previously presented): The method of claim 15
  - 2 wherein the at least the part of the first set of
  - 3 configuration information for a data forwarding device only
  - 4 includes a defined first statement and any of the plurality
  - 5 of statements that are descendants of the defined first
  - 6 statement in the hierarchical configuration, and
  - 7 wherein the at least the part of the second set
  - 8 of configuration information for a data forwarding device
  - 9 includes a corresponding first statement and any of the
- 10 plurality of statements that are descendants of the defined
- 11 first statement in the hierarchical configuration.
  - 1 Claim 17 (original): The method of claim 16 wherein the
  - 2 defined first statement is defined by a user input.
  - 1 Claim 18 (original): The method of claim 15 wherein the
  - 2 hierarchical configuration information includes at least
  - 3 two categories at a first hierarchical level, and
  - 4 wherein the at least two categories are selected
  - 5 from a group of data forwarding device configuration
  - 6 categories consisting of:
  - 7 A) chassis configuration information;
  - 8 B) class-of-service configuration information;
  - 9 C) firewall configuration information;
- 10 D) forwarding-options configuration information;
- 11 E) groups configuration information;
- 12 F) interfaces configuration information;
- G) policy-options configuration information;

- 14 H) protocols configuration information;
- 15 I) routing-instances configuration information;
- 16 J) routing-options configuration information;
- 17 K) network management protocol configuration
- information; and
- 19 L) system configuration information.
  - 1 Claim 19 (previously presented): The method of claim 14
  - 2 wherein the act of accepting at least a part of the first
  - 3 set of configuration information for the data forwarding
  - 4 device is performed by accessing a storage device of the
  - 5 data forwarding device,
  - 6 wherein the act of accepting at least a part of
  - 7 the second set of configuration information for the data
  - 8 forwarding device is performed by accessing a storage
  - 9 device of the data forwarding device, and
- 10 wherein the act of determining differences, if
- 11 any, between
- the first set of configuration
- information for the data forwarding device,
- 14 and
- 15 the second set of configuration
- 16 information for the data forwarding device,
- 17 is performed by a component of the data forwarding device.
  - 1 Claim 20 (previously presented): The method of claim 14
  - 2 wherein the first set of configuration information for a
  - 3 data forwarding device includes a plurality of statements,
  - 4 at least some of which define parameter values,
  - 5 wherein the second set of configuration
  - 6 information for the data forwarding device includes a

7 plurality of statements, at least some of which define 8 parameter values, and 9 wherein the act of determining differences, if 10 any, between - the first set of configuration 11 12 information for the data forwarding device, and 13 14 - the second set of configuration 15 information for the data forwarding device, 16 considers a selected one of (a) statements only, (b) 17 parameter values only, and (c) statements and parameter 18 values. Claim 21 (cancelled) Claim 22 (original): In a data forwarding device, a 1 2 facility for comparing at least a part of sets of configuration information, the facility comprising: 3 4 a storage device for storing at least two sets of configuration information for the data forwarding 5 6 device; 7 an input facility for b) accepting at least a part of a first selected 8 one of the at least two sets of configuration 9 information for the data forwarding device, and 10 11 ii) accepting at least a part of a second selected one of the at least two sets of 12 configuration information for the data forwarding 13 14 device; and 15 a configuration comparison facility for

determining differences, if any, between

16

- the first selected one of the at least two
- 18 sets of configuration information for the data
- 19 forwarding device, and
- the second selected one of the at least two
- sets of configuration information for the data
- forwarding device.
  - 1 Claim 23 (previously presented): A method comprising:
  - 2 receiving with a data forwarding device, a first set
  - 3 of configuration information for the data forwarding
  - 4 device, wherein the first set of configuration information
  - 5 has not yet been committed on the data forwarding device;
  - 6 receiving with the data forwarding device, a second
  - 7 set of configuration information for the data forwarding
  - 8 device;
  - 9 determining with the data forwarding device,
- 10 differences between the first and second sets of
- 11 configuration information.
  - 1 Claim 24 (original): The method according to claim 23,
  - 2 wherein the data forwarding device is a router.
  - 1 Claim 25 (previously presented): A data forwarding device
  - 2 comprising:
  - a memory storing a first set of configuration
  - 4 information and a second set of configuration information
  - 5 for the data forwarding device; and
  - a processing module for determining differences
  - 7 between the first and second sets of configuration
  - 8 information stored in the memory.

- 1 Claim 26 (previously presented): A data forwarding device
- 2 comprising:
- a plurality of data interfaces for connection to
- 4 respective data lines;
- 5 a mechanism for forwarding data from one data
- 6 interface to another data interface;
- 7 a user interface for entering configuration
- 8 information;
- 9 a memory storing a first set of configuration
- 10 information and a second set of configuration information;
- 11 and
- 12 a processing module for determining differences
- 13 between the first and second sets of configuration
- 14 information stored in the memory.
  - 1 Claim 27 (previously presented): The method of claim 10
  - 2 wherein the selected set of configuration information for a
  - 3 data forwarding device is a most recently committed set of
  - 4 configuration information for the data forwarding device.
  - 1 Claim 28 (previously presented): The method of claim 10
  - 2 wherein the selected set of configuration information for a
  - 3 data forwarding device is selected by a user.
  - 1 Claim 29 (previously presented): The method of claim 11
  - 2 wherein the selected set of configuration information for a
  - 3 data forwarding device is a most recently committed set of
  - 4 configuration information for the data forwarding device.
  - 1 Claim 30 (previously presented): The method of claim 11
  - 2 wherein the selected set of configuration information for a
  - 3 data forwarding device is selected by a user.

- 1 Claim 31 (previously presented): The method of claim 14
- 2 wherein a command to save the first set of configuration
- 3 information on the data forwarding device as a committed
- 4 configuration has not occurred.
- 1 Claim 32 (new): The method of claim 14 wherein the first
- 2 set of configuration information is from an uncommitted
- 3 candidate configuration, and
- 4 wherein the second set of configuration information is
- 5 from a configuration that has been saved on the data
- 6 forwarding device as a committed configuration.
- 1 Claim 33 (new): The method of claim 10 wherein the
- 2 candidate set of configuration information is an
- 3 uncommitted candidate configuration, and
- 4 wherein the selected set of configuration information
- 5 is a configuration that has been saved on the data
- 6 forwarding device as a committed configuration.